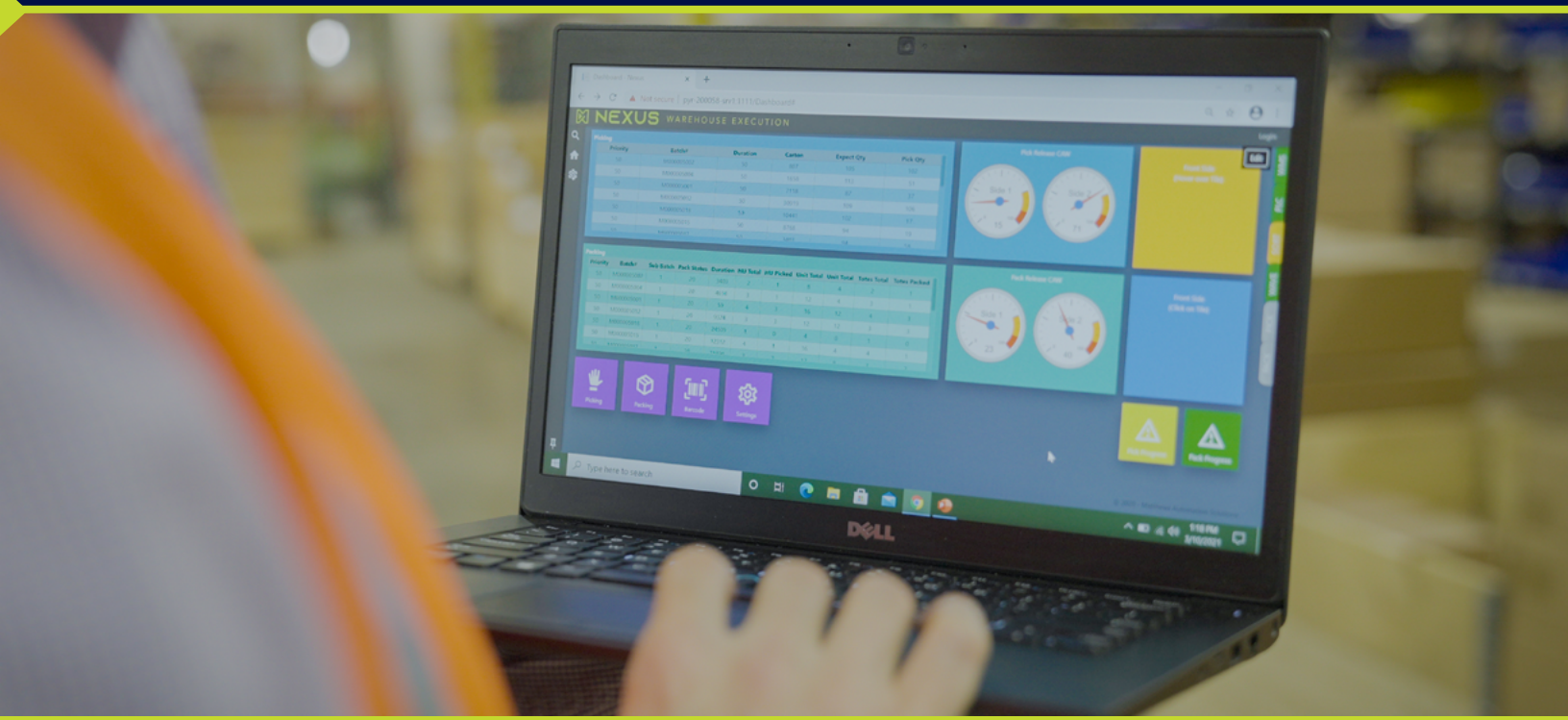# SOFTWARE SOLUTIONS

NEXUS — Next Generation of Warehouse Execution System (WES) Software

Warehouse execution systems connect diverse automated processes in a distribution center and manage them as a centralized, integrated material handling system. Matthews NEXUS utilizes real-time data to make intelligent decisions to boost picking, order management, and batching. Advanced algorithms eliminate bottlenecks and maximize productivity rates by moving work to where it is needed, adapting to fluctuations throughout the day.

Adaptive Intelligence streamlines warehouse management, and NEXUS unifies data, operations and material handling equipment, enabling them to function collaboratively and increase throughput and material flow throughout the facility. The software features a new web-based front end for improved usability and visualization on desktop and mobile devices.

Multi-Device User Interface

The responsive user interface was designed to provide an intuitive, user-configurable workspace with end-to-end system visibility and control. Being web-based, NEXUS can be accessed on all devices — from PCs to tablets to phones — regardless of operating system.
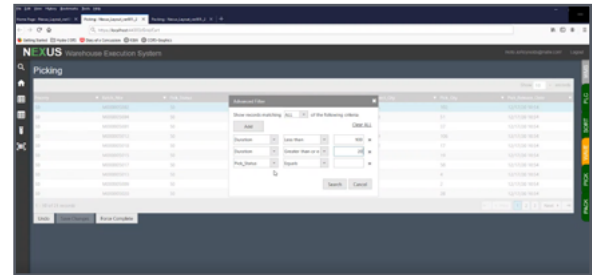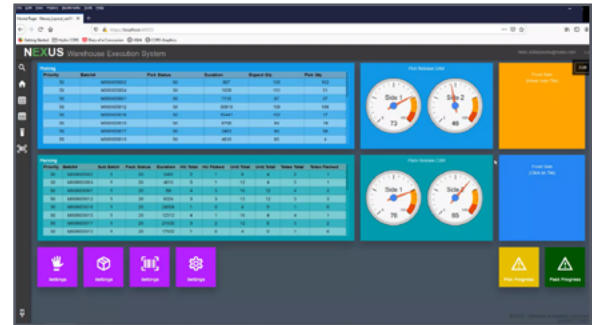
Modular & Flexible

Matthews Automation Solutions NEXUS is highly flexible to accommodate distinct customer requirements and modular to allow for easy upgrades.

NEXUS

WAREHOUSE EXECUTION SYSTEM

Software Solutions

WES Benefits

▶ Implementing a WES expands WMS functionality without costly WMS/ERP modifications that can be challenging to support.

▶ Operational dashboards enable users to manage warehouse processes with end-to-end system statistics, showing system balance.

▶ Estimate wave completion, coordinate labor based on trending statistics.

▶ WES integrates all aspects of a DC and extended supply chain, regardless of WMS supplier, OEM brand, technology or specific process application. It interfaces with virtually every commercially-popular WMS brand, as well as home-grown systems.

End-to-End Operational Balance

Receiving: Auto check-in with inventory updates, QC, audit

Inventory: Shelf management, AS/RS

Wave/Batch Management: Wave and batch creation, status tracking, and release management

Waveless Operations: Individual order release management, order prioritization, release optimization

Picking: Dynamic pick selection, route management, labor tracking, directed picking, AMR interactivity

Sorting: Continuous multi-stage sortation, high speed induction

Flow Management and Buffering: Order flow measurement and optimization, intelligent buffer, pull system, system balance

Finishing: Real-time rate shopping, automated print and apply labeling, VAS, automatic pack slip and promo insert

Shipping: ASNs, parcel weight and cubing, manifesting

Real-Time Analysis: Dashboards, integrated graphical diagnostics, camera-based diagnostics

Security: Single sign-on using Microsoft Identity, role-based security, privileges for menus, screens, data, and other system functions, user experience tailored to their needs upon signing on

Let's talk about your application.

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